

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
 Data File : BM020789.D
 Acq On : 07 Jun 2019 06:38
 Operator : HP/JU
 Sample : K3201-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB9

Manual Integrations
 APPROVED

mohammad
 6/7/2019 2:15:09 PM

Quant Time: Jun 07 08:05:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 07 06:35:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	290358	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1183273	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	679332	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	1539773	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1511651	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1769759	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	37938	6.23	ng/uL	0.00
5) Phenol-d5	6.97	99	628445	28.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	417445	31.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	579175	32.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	510349	28.55	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	294943	36.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	328902	39.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	588010	33.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	513075	24.57	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1839787	36.61	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	2069647	32.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	228643	26.52	ng/ul	0.00
57) Fluorene-d10	15.44	176	1482555	34.72	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	95050	12.07	ng/ul	0.00
70) Anthracene-d10	17.30	188	2407669	35.80	ng/ul	0.00
78) Pyrene-d10	19.59	212	2726970	37.32	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.52	264	3466233	43.09	ng/ul	0.02

Target Compounds

					Ovalue
14) Acetophenone	8.64	105	31598	1.144 ng/ul	98
28) Naphthalene	10.65	128	113522	2.043 ng/ul	98
34) 2-Methylnaphthalene	12.26	142	53302	1.306 ng/ul	92
44) Dimethylphthalate	13.91	163	447091	8.886 ng/ul	99
47) Acenaphthylene	14.17	152	335467	5.442 ng/ul	100
49) Acenaphthene	14.52	153	208641	4.848 ng/ul	98
53) Dibenzofuran	14.85	168	151963	2.497 ng/ul	99
58) Fluorene	15.50	166	214103	4.381 ng/ul	97
69) Phenanthrene	17.24	178	4542446	58.617 ng/ul	99
71) Anthracene	17.33	178	1039478	13.086 ng/ul	99
74) Carbazole	17.60	167	478202	6.923 ng/ul	98
76) Fluoranthene	19.26	202	9519603	107.196 ng/ul	100
79) Pyrene	19.62	202	8431192	90.355 ng/ul	98
80) Butylbenzylphthalate	20.52	149	45285	1.191 ng/ul#	70
82) Benzo(a)anthracene	21.36	228	5576377	59.135 ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.29	149	423400	6.601 ng/ul	100
84) Chrysene	21.42	228	5231603	59.789 ng/ul	98
87) Benzo(b)fluoranthene	22.98	252	7660068	74.404 ng/ul	99
88) Benzo(k)fluoranthene	23.01	252	2329523m	23.673 ng/ul	
90) Benzo(a)pyrene	23.57	252	5114873	52.221 ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.99	276	3531383	30.526 ng/ul	96
92) Dibenzo(a,h)anthracene	25.99	278	1000729	10.209 ng/ul#	81
93) Benzo(g,h,i)perylene	26.70	276	2581138	27.502 ng/ul	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020789.D
Acq On : 07 Jun 2019 06:38
Operator : HP/JU
Sample : K3201-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AB9

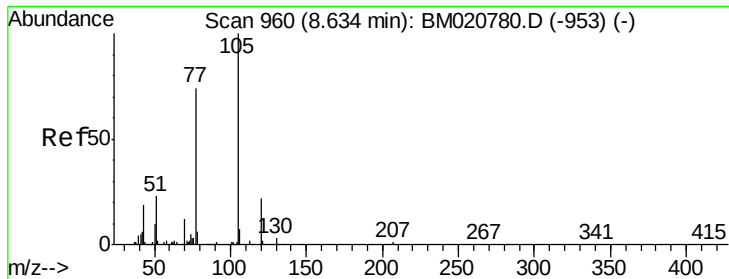
Manual Integrations
APPROVED

mohammad
6/7/2019 2:15:09 PM

Quant Time: Jun 07 08:05:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 07 06:35:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed



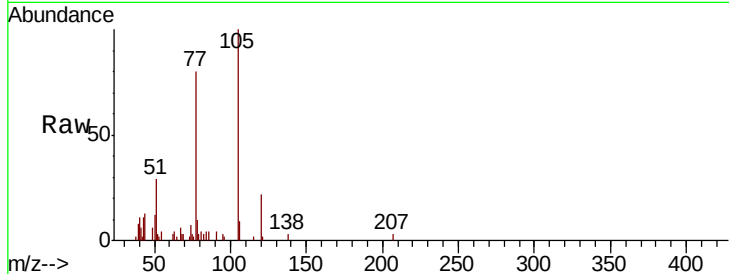
#14
Acetophenone
Concen: 1.144 ng/ul
RT: 8.64 min Scan# 961
Delta R.T. 0.01 min
Lab File: BM020789.D
Acq: 07 Jun 2019 06:38

Instrument :
BNA_M
ClientSampleId :
C0AB9

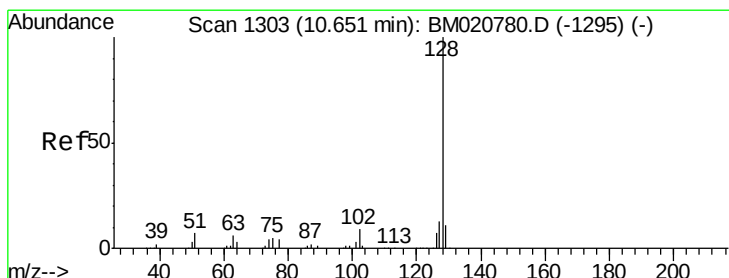
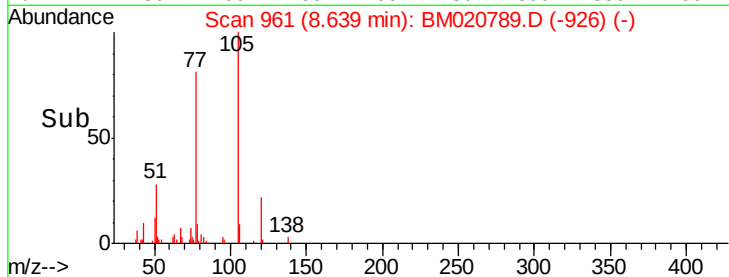
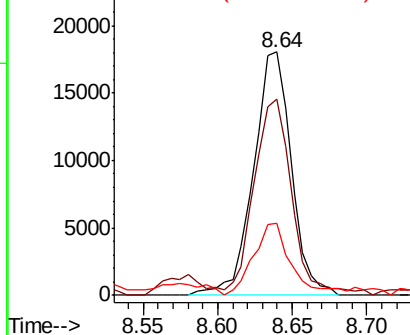
Tot Ion:	105	Resp:	31598
Ion Ratio	Lower	Upper	
105	100		
77	80.4	64.6	97.0
51	29.5	21.4	32.2

Manual Integrations
APPROVED

mohammad
6/7/2019 2:15:09 PM

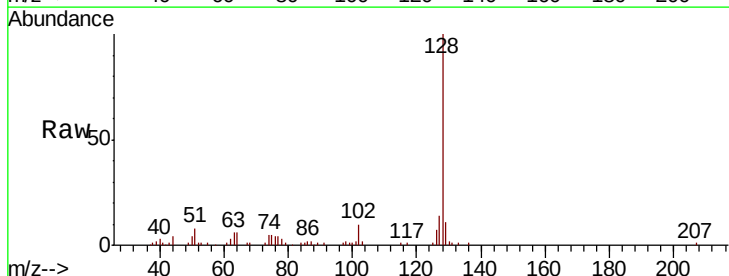


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM
Ion 51.00 (50.70 to 51.70): BM

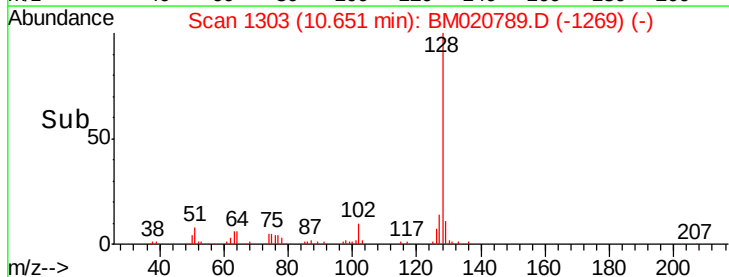
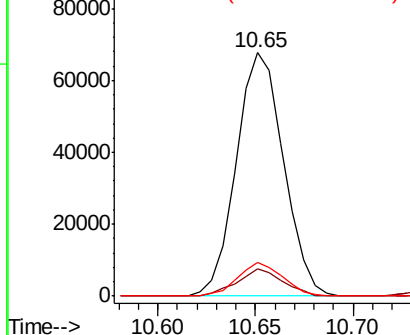


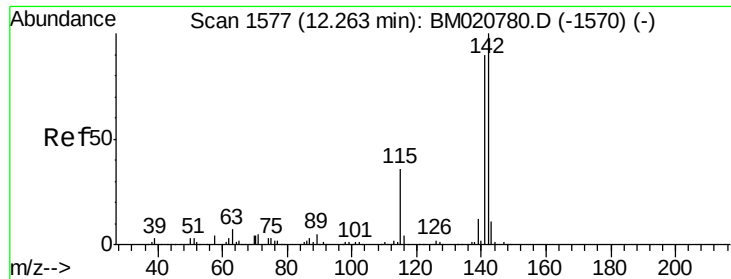
#28
Naphthalene
Concen: 2.043 ng/ul
RT: 10.65 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BM020789.D
Acq: 07 Jun 2019 06:38

Tgt Ion:	128	Resp:	113522
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.6	13.0
127	13.9	10.2	15.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





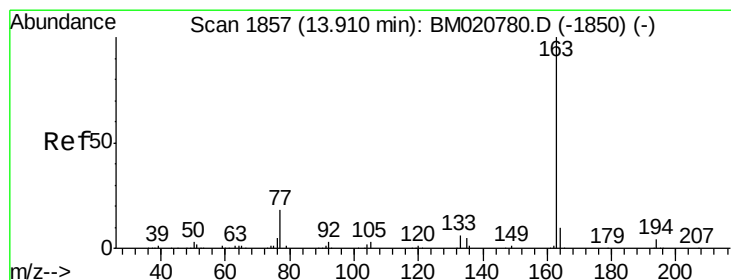
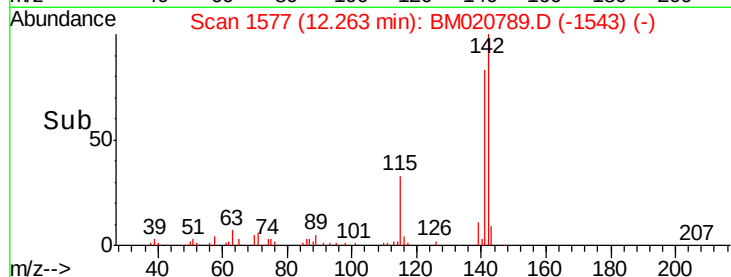
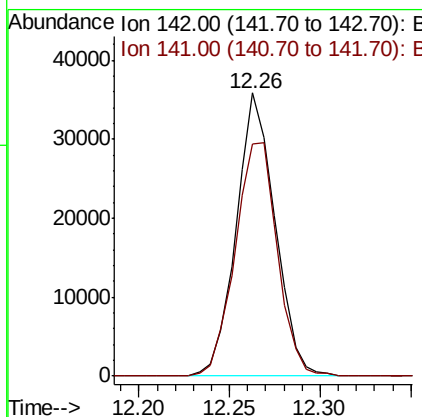
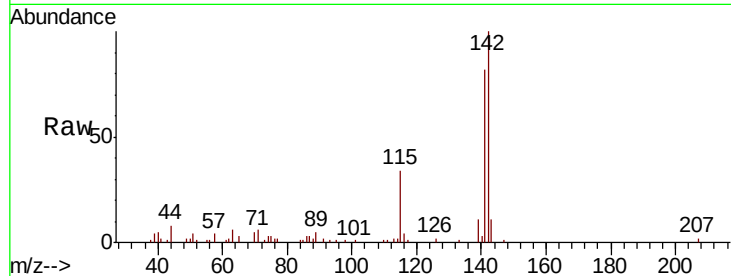
#34
2-Methylnaphthalene
Concen: 1.306 ng/ul
RT: 12.26 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BM020789.D
Acq: 07 Jun 2019 06:38

Instrument :
BNA_M
ClientSampleId :
C0AB9

Tot Ion:142 Resp: 53302
Ion Ratio Lower Upper
142 100
141 82.0 71.4 107.0

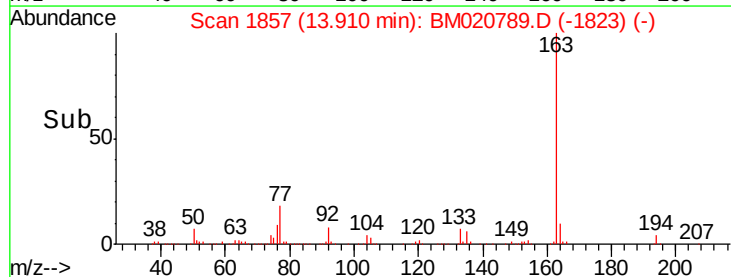
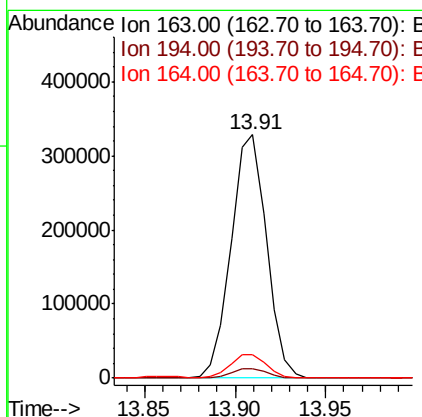
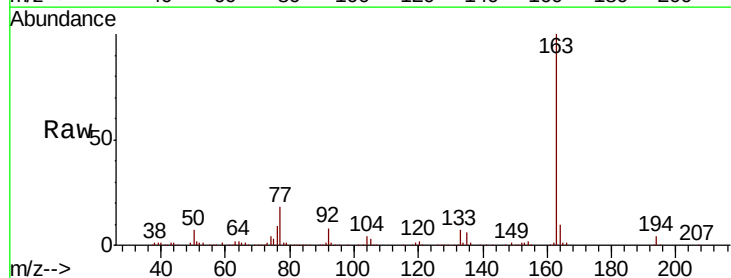
Manual Integrations
APPROVED

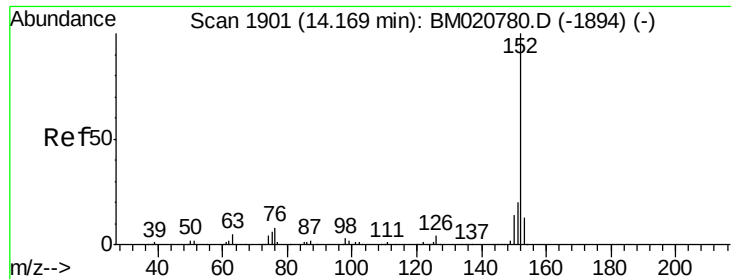
mohammad
6/7/2019 2:15:09 PM



#44
Dimethylphthalate
Concen: 8.886 ng/ul
RT: 13.91 min Scan# 1857
Delta R.T. -0.00 min
Lab File: BM020789.D
Acq: 07 Jun 2019 06:38

Tgt Ion:163 Resp: 447091
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 9.7 8.0 12.0





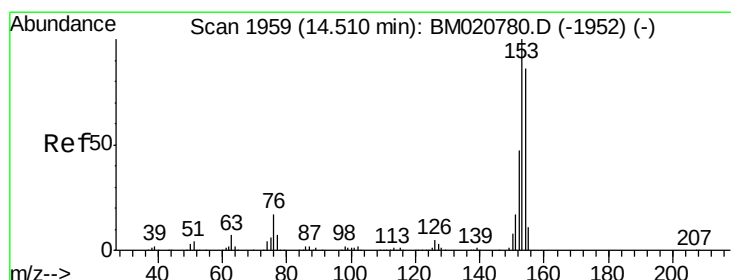
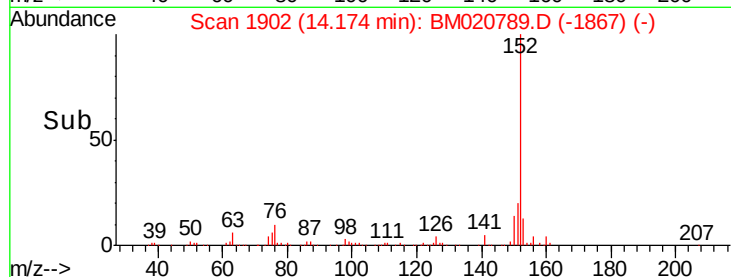
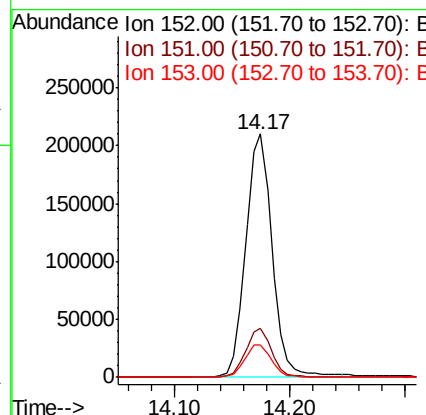
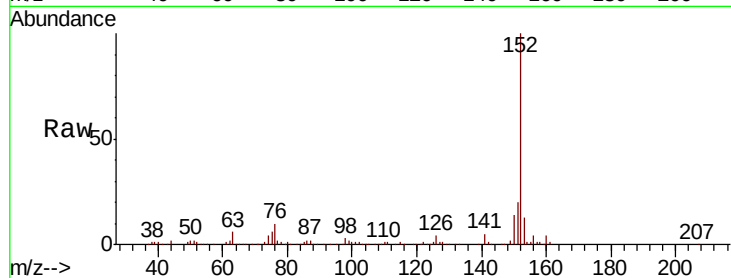
#47
Acenaphthylene
Concen: 5.442 ng/ul
RT: 14.17 min Scan# 1902
Delta R.T. 0.01 min
Lab File: BM020789.D
Acq: 07 Jun 2019 06:38

Instrument :
BNA_M
ClientSampled :
C0AB9

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.1	10.6	15.8

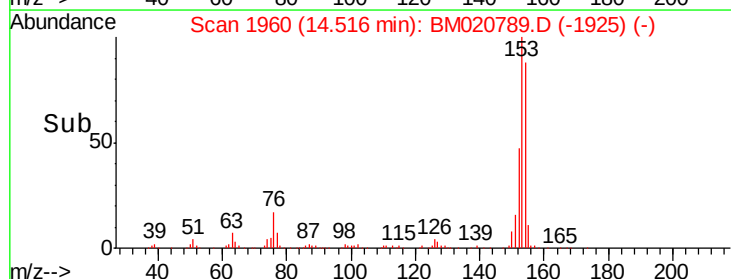
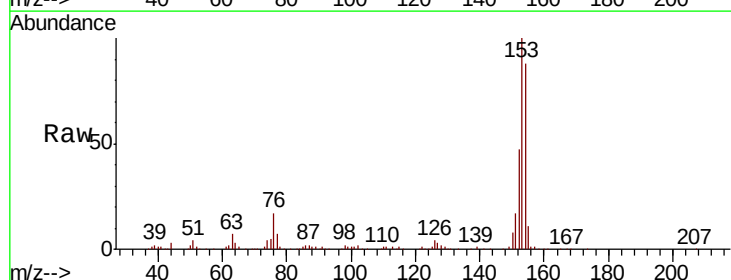
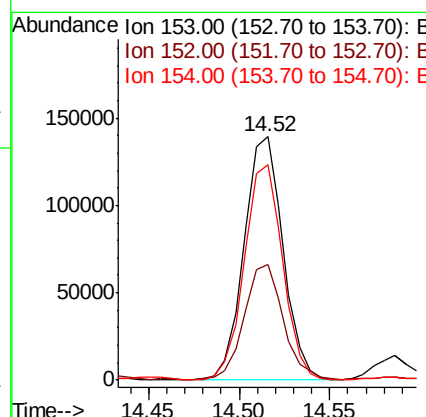
Manual Integrations
APPROVED

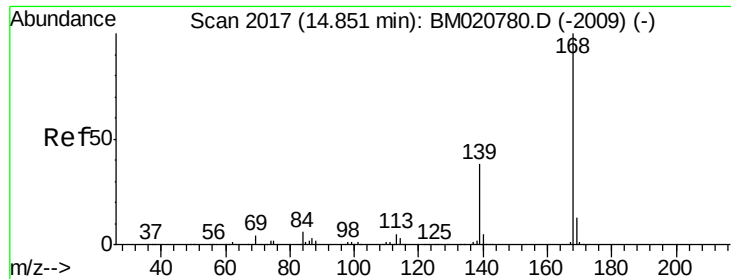
mohammad
6/7/2019 2:15:09 PM



#49
Acenaphthene
Concen: 4.848 ng/ul
RT: 14.52 min Scan# 1960
Delta R.T. 0.01 min
Lab File: BM020789.D
Acq: 07 Jun 2019 06:38

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.2	37.3	55.9
154	88.4	68.7	103.1





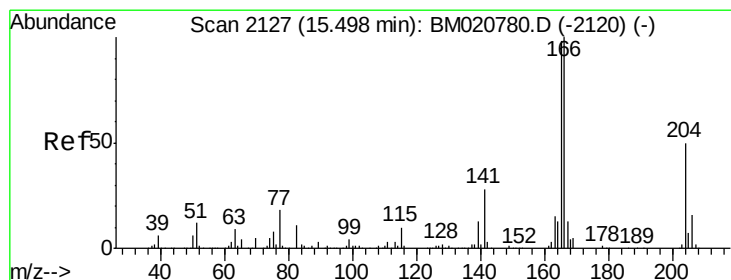
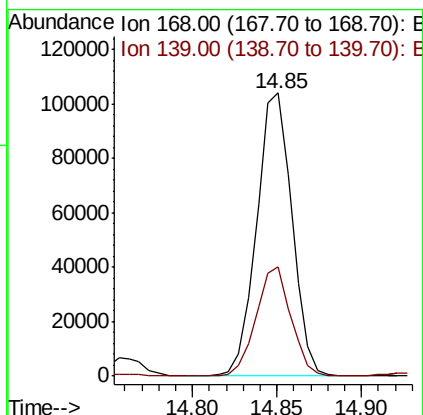
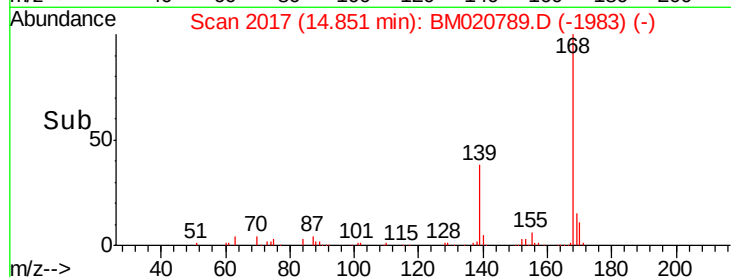
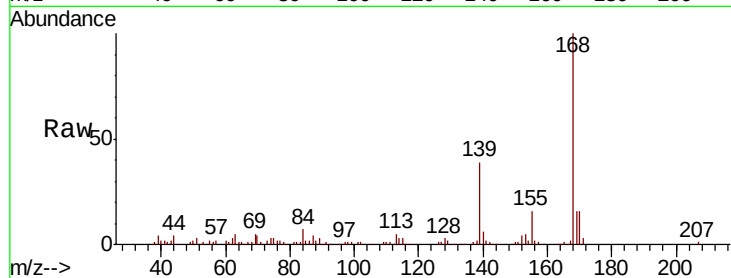
#53
Dibenzenofuran
Concen: 2.497 ng/ul
RT: 14.85 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BM020789.D
Acq: 07 Jun 2019 06:38

Instrument :
BNA_M
ClientSampleId :
C0AB9

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.4	45.6

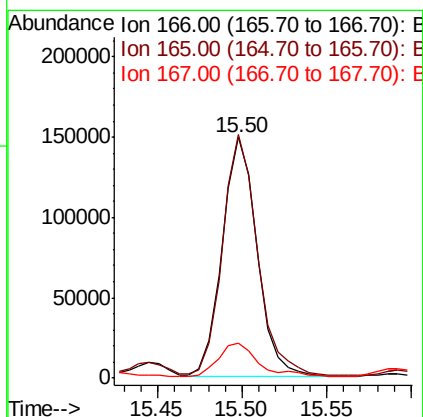
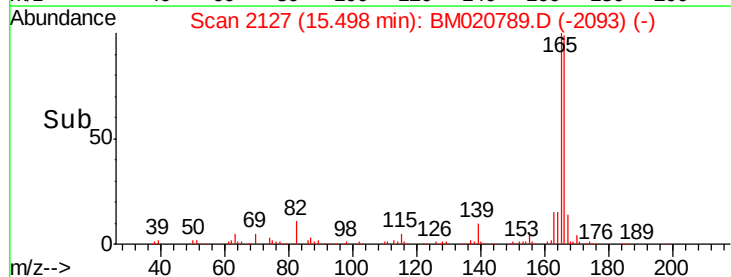
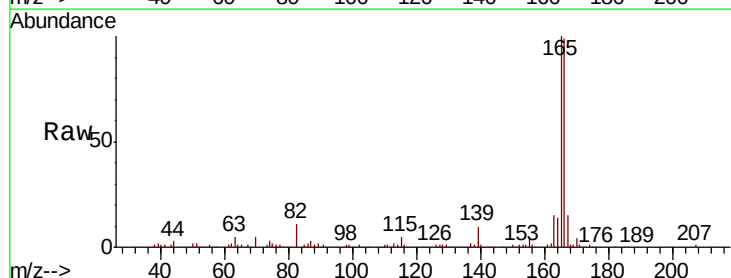
Manual Integrations
APPROVED

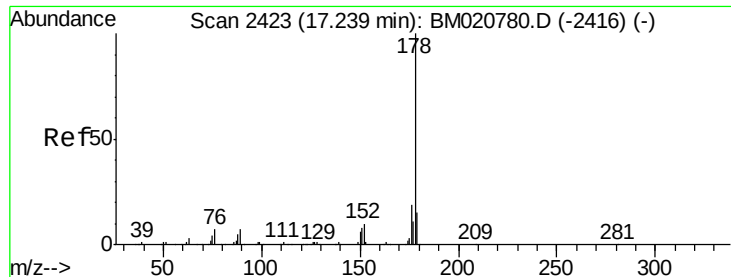
mohammad
6/7/2019 2:15:09 PM



#58
Fluorene
Concen: 4.381 ng/ul
RT: 15.50 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BM020789.D
Acq: 07 Jun 2019 06:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.2	78.6	117.8
167	14.7	10.8	16.2





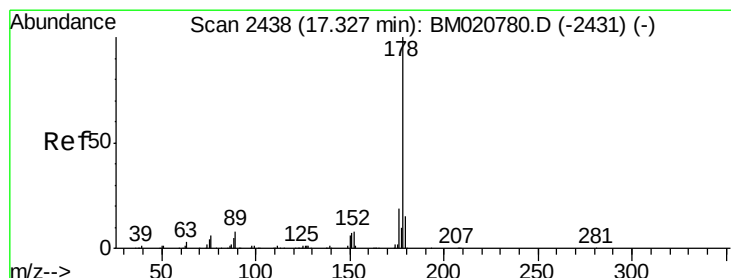
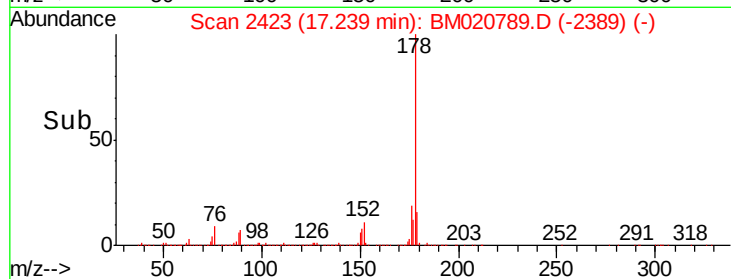
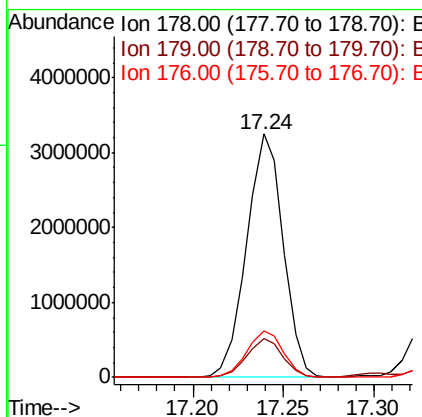
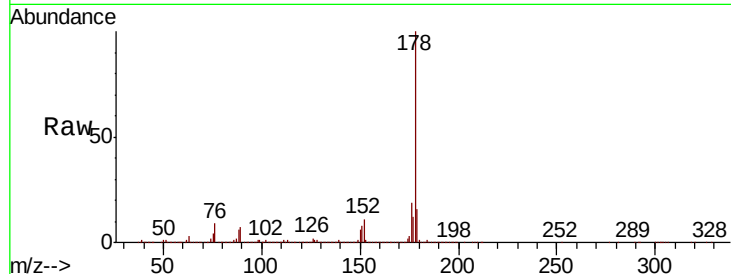
#69
 Phenanthrene
 Concen: 58.617 ng/ul
 RT: 17.24 min Scan# 2423
 Delta R.T. -0.00 min
 Lab File: BM020789.D
 Acq: 07 Jun 2019 06:38

Instrument :
 BNA_M
 ClientSampleId :
 C0AB9

Tot Ion:178 Resp: 4542446
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.3 18.5
 176 19.3 14.8 22.2

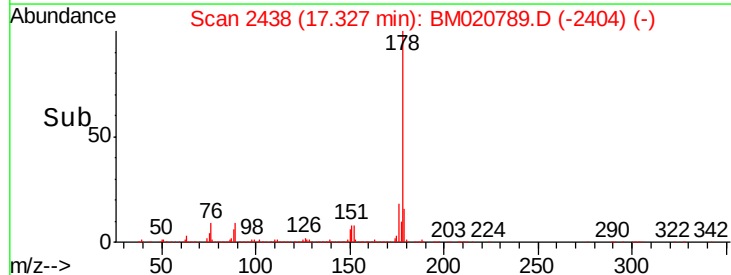
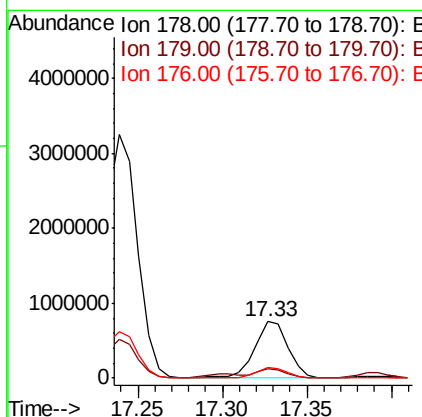
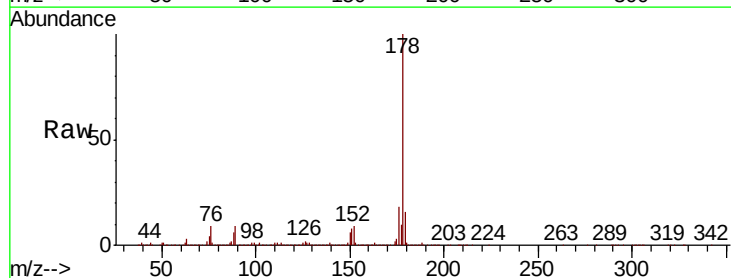
Manual Integrations
 APPROVED

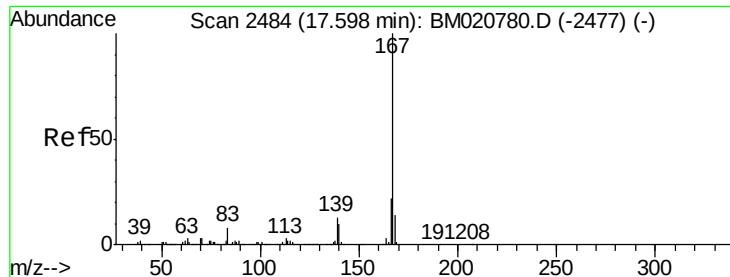
mohammad
 6/7/2019 2:15:09 PM



#71
 Anthracene
 Concen: 13.086 ng/ul
 RT: 17.33 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BM020789.D
 Acq: 07 Jun 2019 06:38

Tgt Ion:178 Resp: 1039478
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.1 18.1
 176 18.3 14.9 22.3





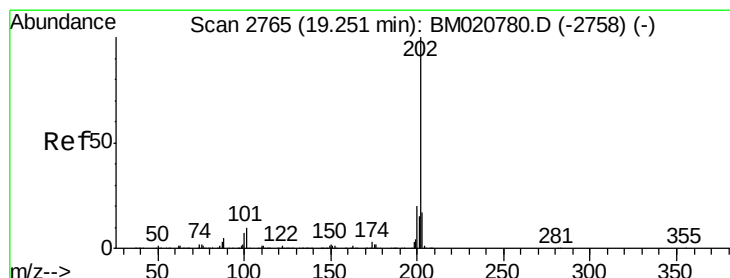
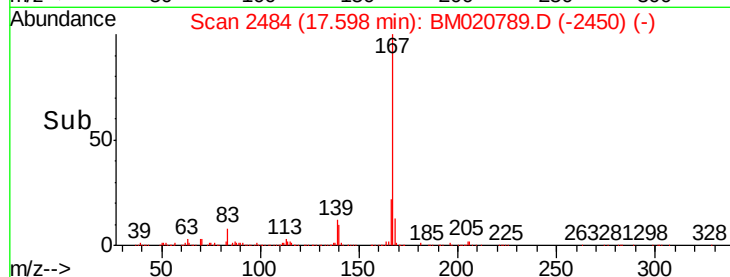
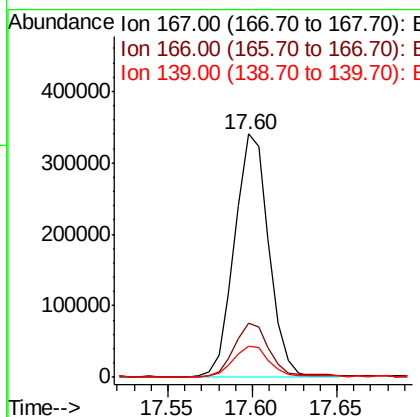
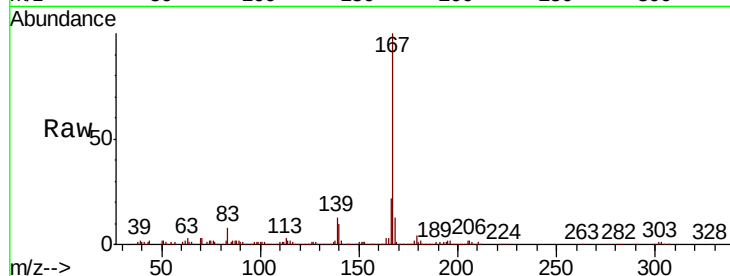
#74
 Carbazole
 Concen: 6.923 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BM020789.D
 Acq: 07 Jun 2019 06:38

Instrument :
 BNA_M
 ClientSampleId :
 C0AB9

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.0	25.6
139	12.7	10.5	15.7

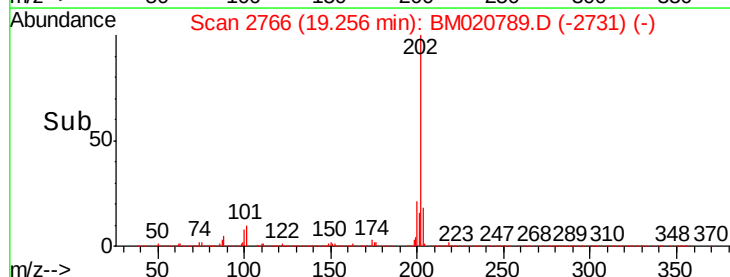
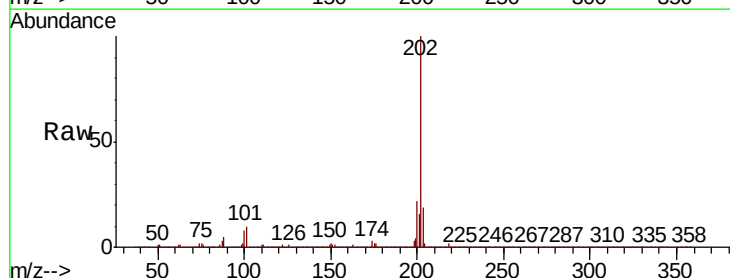
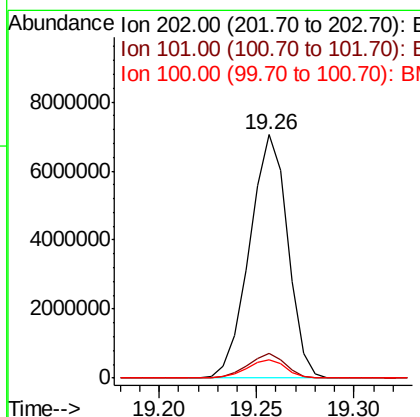
Manual Integrations
 APPROVED

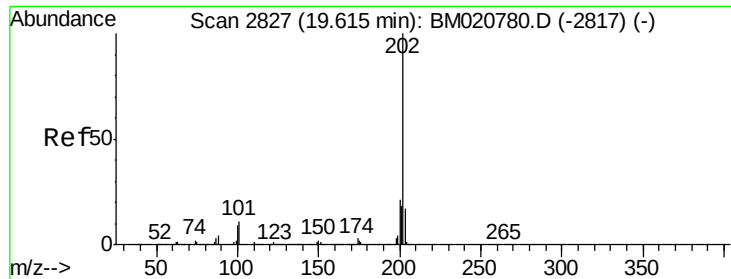
mohammad
 6/7/2019 2:15:09 PM



#76
 Fluoranthene
 Concen: 107.196 ng/ul
 RT: 19.26 min Scan# 2766
 Delta R.T. 0.01 min
 Lab File: BM020789.D
 Acq: 07 Jun 2019 06:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.9	11.9
100	7.6	6.2	9.4





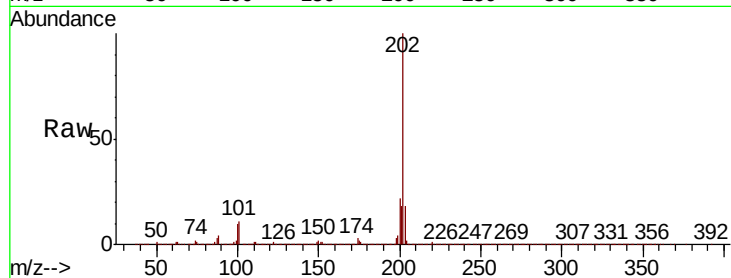
#79
Pvrene
Concen: 90.355 ng/ul
RT: 19.62 min Scan# 2828
Delta R.T. 0.01 min
Lab File: BM020789.D
Acq: 07 Jun 2019 06:38

Instrument :
BNA_M
ClientSampleId :
C0AB9

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.8	14.6
100	9.5	8.0	12.0

Manual Integrations
APPROVED

mohammad
6/7/2019 2:15:09 PM

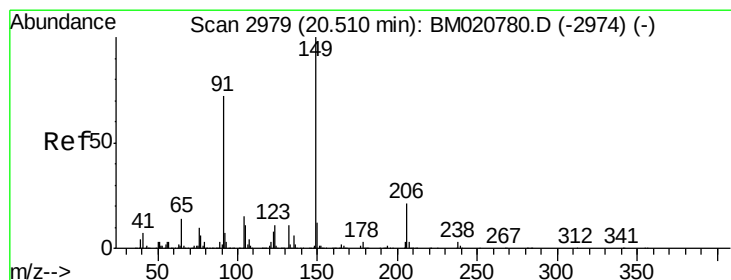
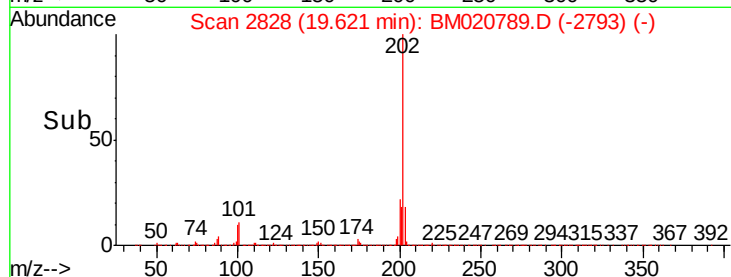
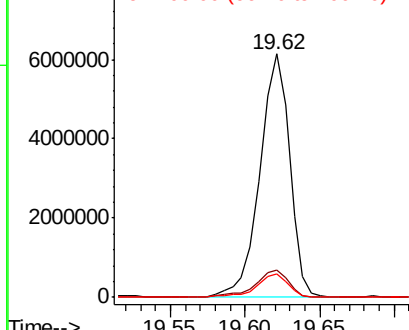


Abundance

Ion 202.00 (201.70 to 202.70): E

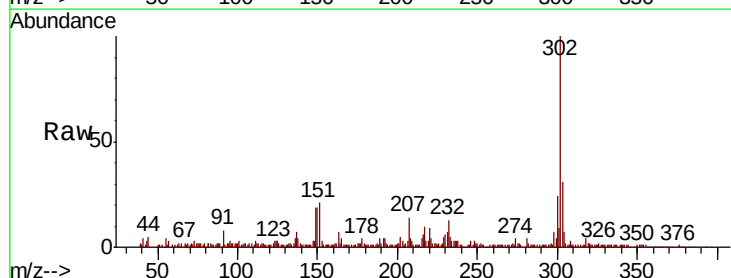
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80
Butylbenzylphthalate
Concen: 1.191 ng/ul
RT: 20.52 min Scan# 2980
Delta R.T. 0.01 min
Lab File: BM020789.D
Acq: 07 Jun 2019 06:38

Tgt Ion	Ratio	Lower	Upper
149	100		
91	40.4	55.8	83.6#
206	16.1	16.2	24.4#

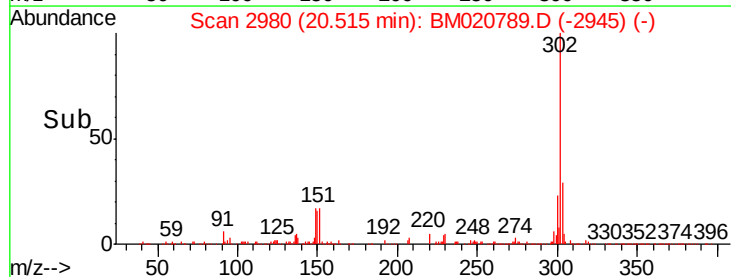
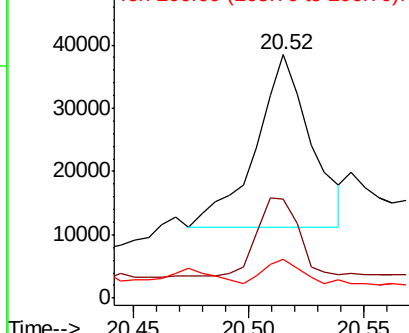


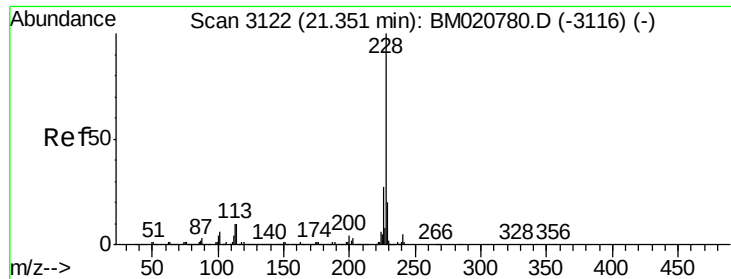
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#82

Benzo(a)anthracene

Concen: 59.135 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM020789.D

Acq: 07 Jun 2019 06:38

Instrument :

BNA_M

ClientSampled :

C0AB9

Tot Ion:228 Resp: 5576377

Ion Ratio Lower Upper

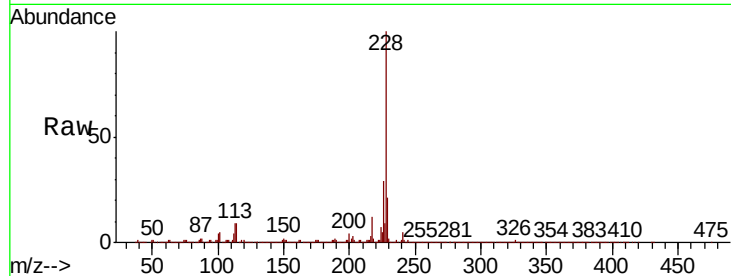
228 100

229 21.1 15.6 23.4

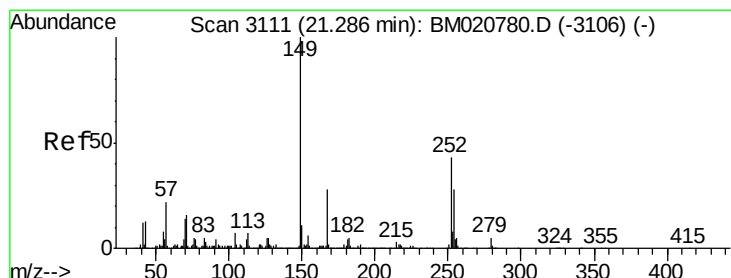
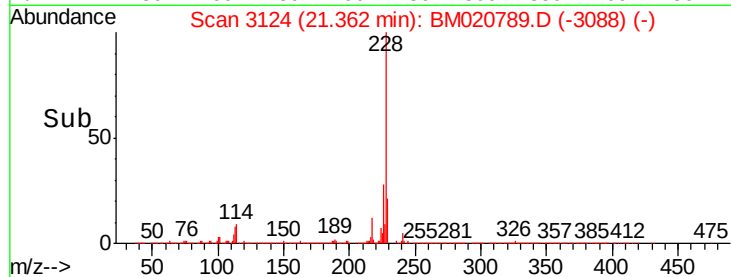
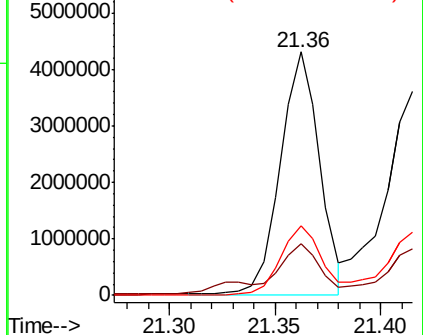
226 28.6 21.4 32.2

Manual Integrations
APPROVED

mohammad
6/7/2019 2:15:09 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.601 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. -0.00 min

Lab File: BM020789.D

Acq: 07 Jun 2019 06:38

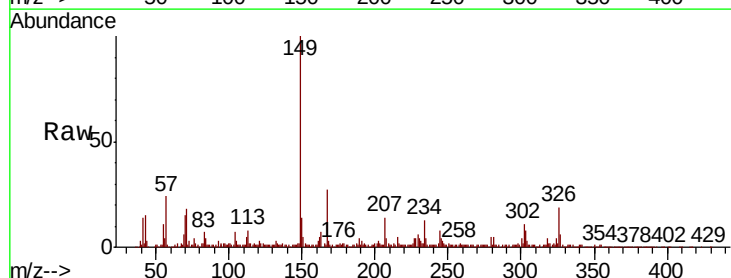
Tgt Ion:149 Resp: 423400

Ion Ratio Lower Upper

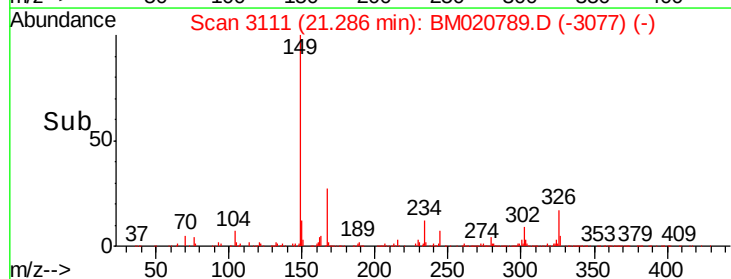
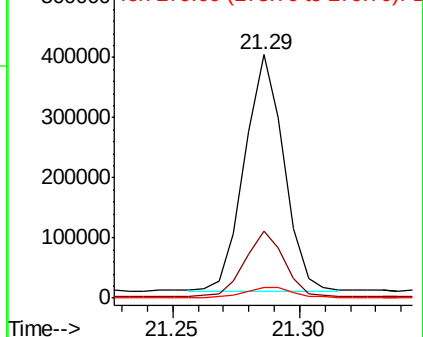
149 100

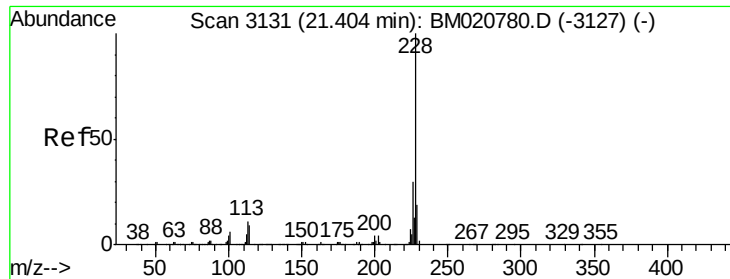
167 27.5 21.9 32.9

279 4.6 4.1 6.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





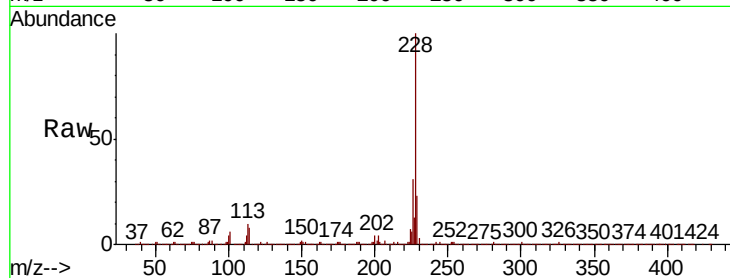
#84
Chrysene
Concen: 59.789 ng/ul
RT: 21.42 min Scan# 3133
Delta R.T. 0.01 min
Lab File: BM020789.D
Acq: 07 Jun 2019 06:38

Instrument :
BNA_M
ClientSampleId :
C0AB9

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.4	36.6
229	22.6	16.2	24.2

Manual Integrations
APPROVED

mohammad
6/7/2019 2:15:09 PM

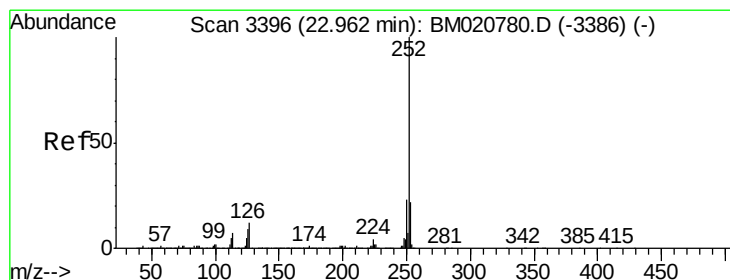
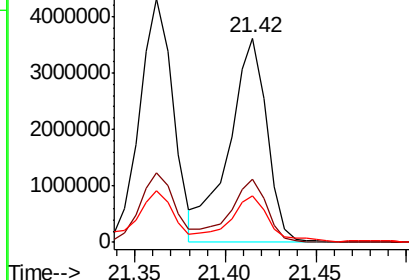
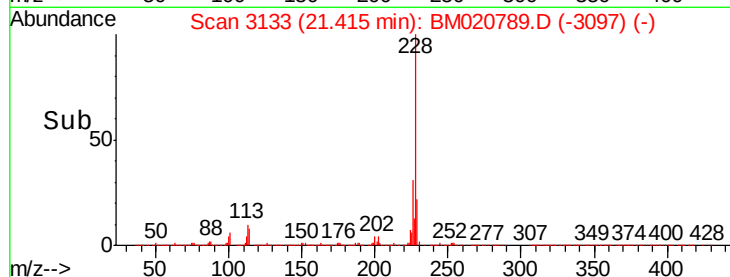


Abundance

Ion 228.00 (227.70 to 228.70): E

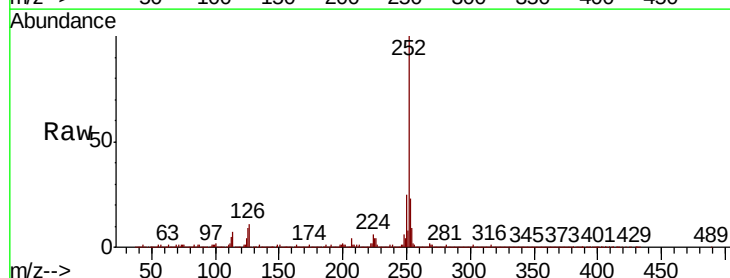
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
Benzo(b)fluoranthene
Concen: 74.404 ng/ul
RT: 22.98 min Scan# 3399
Delta R.T. 0.02 min
Lab File: BM020789.D
Acq: 07 Jun 2019 06:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	9.1	7.3	10.9

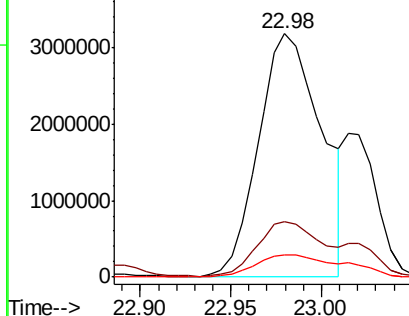
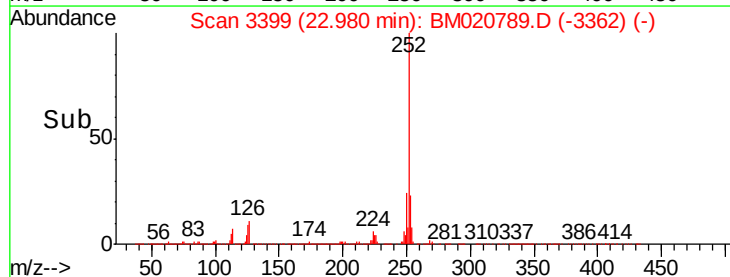


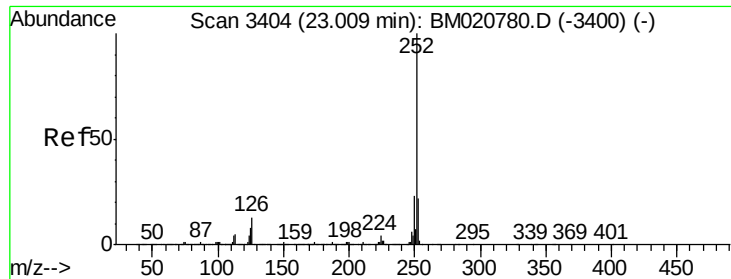
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 23.673 ng/ul

RT: 23.01 min Scan# 3405

Delta R.T. 0.01 min

Lab File: BM020789.D

Acq: 07 Jun 2019 06:38

Instrument :

BNA_M

ClientSampleId :

C0AB9

Tot Ion:252 Resp: 2329523

Ion Ratio Lower Upper

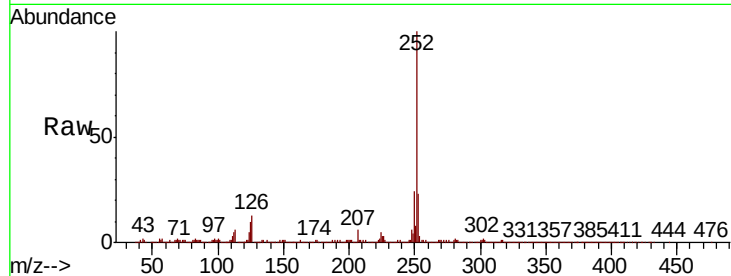
252 100

253 23.5 17.6 26.4

125 9.9 7.3 10.9

Manual Integrations
APPROVED

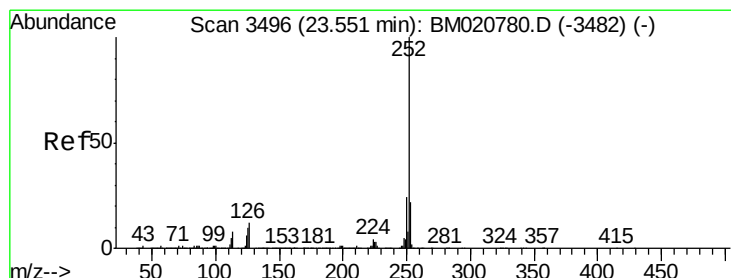
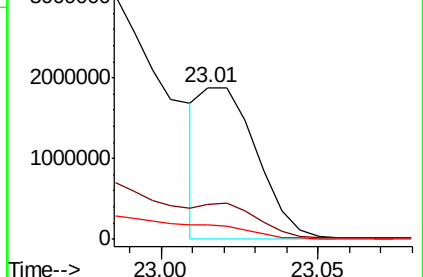
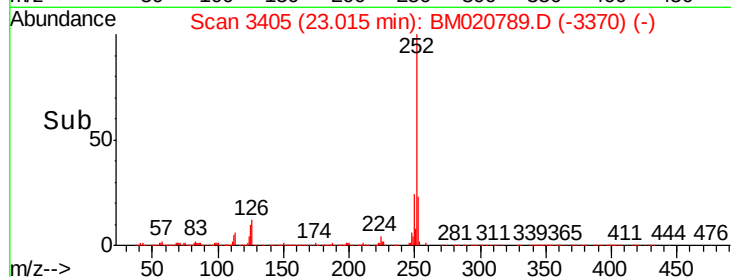
mohammad
6/7/2019 2:15:09 PM



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 52.221 ng/ul

RT: 23.57 min Scan# 3499

Delta R.T. 0.02 min

Lab File: BM020789.D

Acq: 07 Jun 2019 06:38

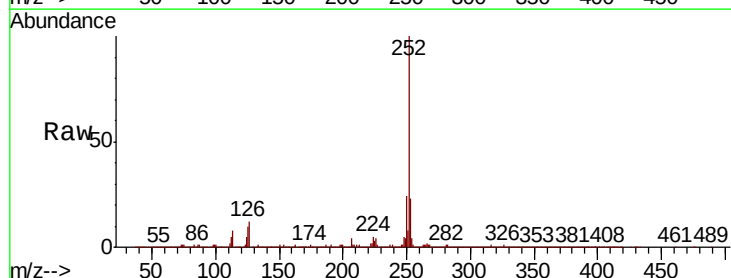
Tgt Ion:252 Resp: 5114873

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

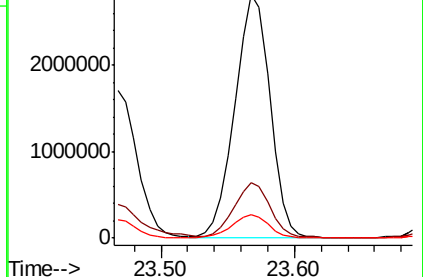
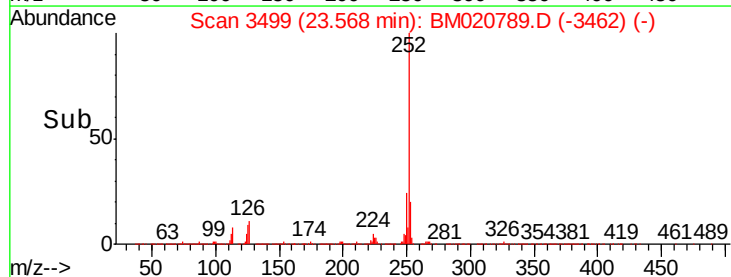
125 9.6 8.2 12.4

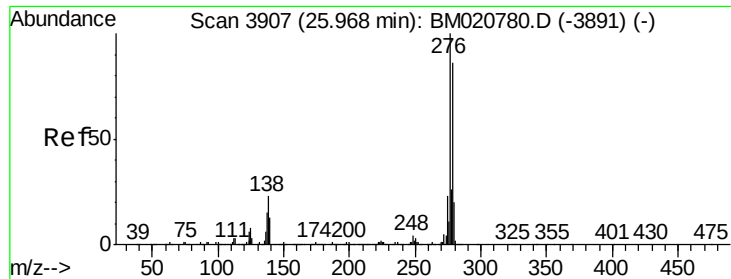


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





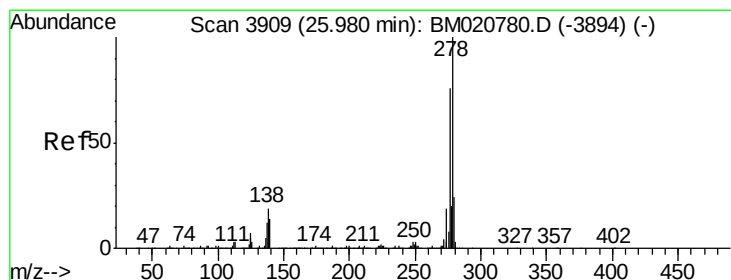
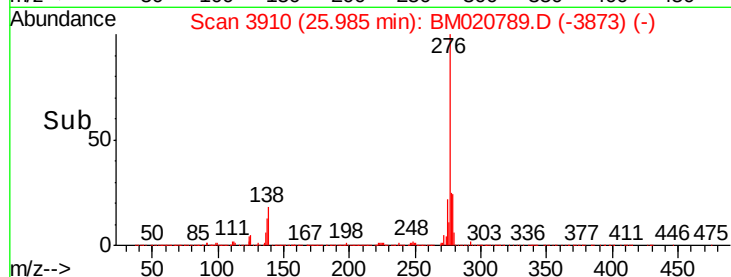
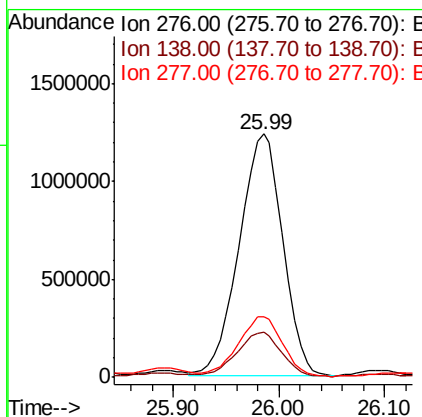
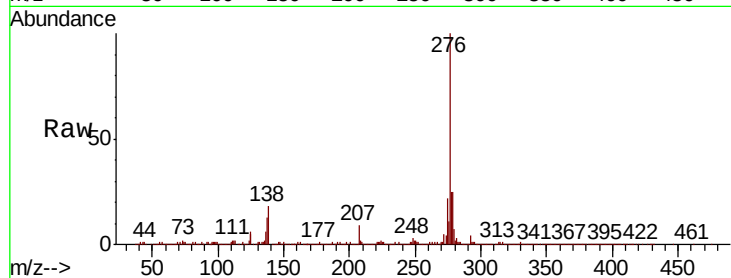
#91
Indeno(1,2,3-cd)pyrene
Concen: 30.526 ng/ul
RT: 25.99 min Scan# 3910
Delta R.T. 0.02 min
Lab File: BM020789.D
Acq: 07 Jun 2019 06:38

Instrument :
BNA_M
ClientSampleId :
C0AB9

Tot Ion:276 Resp: 3531383
Ion Ratio Lower Upper
276 100
138 18.4 17.8 26.8
277 24.8 20.0 30.0

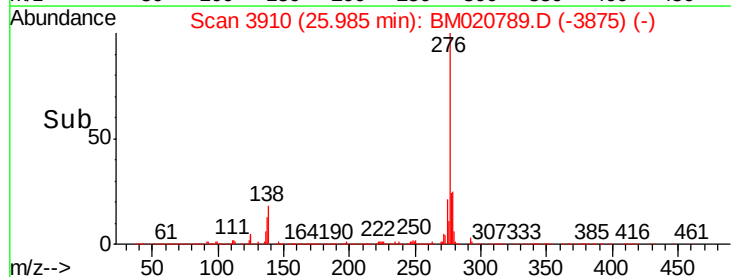
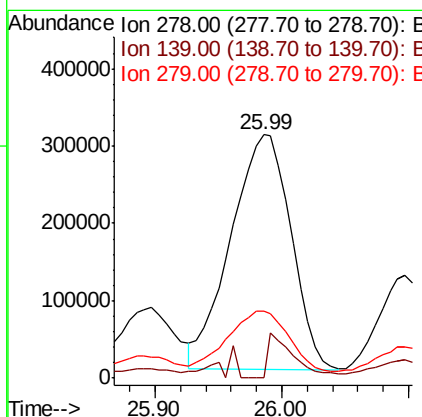
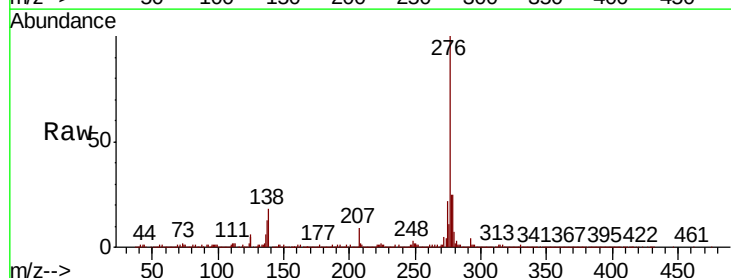
Manual Integrations
APPROVED

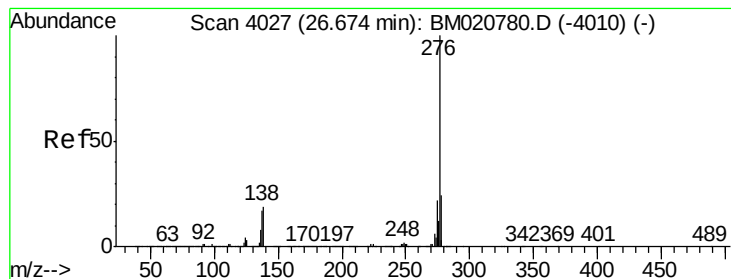
mohammad
6/7/2019 2:15:09 PM



#92
Dibenzo(a,h)anthracene
Concen: 10.209 ng/ul
RT: 25.99 min Scan# 3910
Delta R.T. 0.01 min
Lab File: BM020789.D
Acq: 07 Jun 2019 06:38

Tgt Ion:278 Resp: 1000729
Ion Ratio Lower Upper
278 100
139 0.0 11.6 17.4#
279 27.5 18.6 28.0





#93

Benzo(a,h,i)perylene

Concen: 27.502 ng/ul

RT: 26.70 min Scan# 4032

Delta R.T. 0.03 min

Lab File: BM020789.D

Acq: 07 Jun 2019 06:38

Instrument :

BNA_M

ClientSampleId :

C0AB9

Tot Ion:276 Resp: 2581138

Ion Ratio Lower Upper

276 100

138 19.0 16.6 25.0

277 24.2 19.6 29.4

Manual Integrations

APPROVED

mohammad

6/7/2019 2:15:09 PM

